

REPORT ON BOILERS.

Del. 14953

No. 74196

7 JUL 1949

Writing Report... When handed in at Local Office - 4 JUL 1949 Port of Glasgow.
 Survey held at Annan. Date, First Survey 17-3-49 Last Survey 23-6-1949
 Book on the "Runic" (Number of Visits 15) Tons } Gross
 No. 1414 Built at Belfast By whom built Harland & Wolff Ltd. When built
 Made at Annan By whom made Cochran & Co, Annan Boiler No. 18239 When made 1949
 Ltd. Port belonging to

TYPICAL DONKEY BOILER— No. One Description Cochran Manufacturers of steel Colvilles Ltd.
 at Annan By whom made Cochran & Co, Annan Ltd When made 1949 Where fixed Barber room Working pressure 125 lb/s
 by hydraulic pressure to 238 lb/sq.in. Date of test 23.6.49 No. of Certificate 22919 Fire grate area 0.F. Description of safety valves Double spring
 safety valves 2 Area of each 4.9 sq.in. Pressure to which they are adjusted 125 lb If fitted with easing gear Yes If steam from main boilers can
 the donkey boiler No Diameter of donkey boiler 6'-6" Length 15'-9" Material of shell plates steel Thickness 21/32" & 17/32"
 of tensile strength 28/32 tons Description of riveting long. seams D.R. Lap Diameter of rivet holes 29/32" Whether punched or
 drilled Pitch of rivets 2.86", 2.82", 2.79" Lap of plating 4.1/2" Percentage of strength of joint Rivets 69.6 Working pressure of shell by
 126 lb/sq.in. Thickness of shell crown plates 15/32" Radius of do. 3'-3" No. of stays to do. none Diameter of stays - Diameter of
 in. & 15/16" Stays by hemisphere Diameter of uptake 16" x 20" Thickness of uptake
 Top - Bottom 5'-6" Length of furnace - Thickness of furnace side plates 17/32" Description of joint seamless Working
 pressure of furnace by rules 133 lb/sq.in. Thickness of Ogee ring 15/16" Working pressure of Ogee ring by rules 126 lb/sq.in. Thickness of furnace
 plates 17/32" Radius of do. 2'-9" Stayed by hemisphere Diameter of uptake 16" x 20" Thickness of uptake
 9/16" Thickness of tube plates front 1" Mean pitch of stay tubes in nest 10.69" Pitch in outer vertical rows 8.88"
 Diameter of tube holes FRONT stay 2.11/16" BACK stay 2.1/2" Working pressure of tube plates by rules F 152 lb/sq.in. Tubes: Material steel
 plain 2.9/16" plain 2.1/2" B 162
 stay 2.1/2" stay 11/32"
 nominal diameter plain 2.1/2" Thickness plain 101SG. No. of threads per inch 9 Pitch of Tubes 4.44 x 3.5625
 Working pressure by rules 175 lb/sq.in. Manhole compensation; Size of opening in shell plate 21" x 17" Section of compensating
 7.1/2" x 1" No of rivets and diameter of rivet holes 40 @ 29/32" Outer raw pitch at ends 4.1"

The foregoing is a correct description,

L. R. x.

Manufacturer.

FOR COCHRAN & CO, ANNAN, LTD.

During progress of work in shops - 1949 MAR 17-24-31 APR 7-14-21-28 MAY 5-12-19-26-31 JUN 9-16-23.
 During erection on board vessel - - -
 Total No. of Visits

Drawing No. 34047A.

Is the approved plan of boiler forwarded herewith Retained for duplicate cases. No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
 This boiler has been despatched to Belfast for installation.

This boiler has been constructed under Special Survey and in accordance with the approved plan. The materials and workmanship are good.

Belfast 20-3-50 -

This boiler has now been satisfactorily installed on board the vessel, tested under full working conditions and the safety valves adjusted under steam to 125 lb/sq.in.

N. Russell

Survey Fee ... £ 10 : 0 : 0 } MONTHLY ACCOUNT
 Travelling Expenses (if any) £ : : }
 When applied for ... 19...
 When received ... 19...

A. Hiddell
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW - 6 JUL 1949

Approved for completions

FRI. 5 MAY 1950
 See F.E. Mchly

Lloyd's Register Foundation
 003409-003416-0322